

DII.3003P2.Sol251.Kernel.Patch.IG-1

Defense Information Infrastructure (DII)

Common Operating Environment (COE)

Version 3.0.0.3P2

Kernel Patch 2 Installation Guide (Solaris 2.5.1)

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Preface

The following conventions have been used in this document:

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|-------------------|--|
| [HELVETICA FONT] | Used to indicate keys to be pressed. For example, press [RETURN]. |
| Courier Font | Used to indicate entries to be typed at the keyboard, operating system commands, titles of windows and dialog boxes, file and directory names, and screen text. For example, type the following command at the prompt: setenv boot-device diskN |
| "Quotation Marks" | Used to indicate prompts and messages that appear on the screen. |
| <i>Italics</i> | Used for emphasis. |

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1. Introduction

1.1 Overview

The Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.0.3P2 Kernel Patch 2 (Solaris 2.5.1) enhances the DII COE 3.0.0.3 Kernel by updating system administration executables, updating the runtime tools, and adding Common Desktop Environment (CDE) patches. The COE Kernel is the minimum set of software required on every workstation regardless of how the workstation will be used. These components include the operating system and windowing services, as well as external environment interfaces.

This DII COE Version 3.0.0.3P2 Kernel Patch 2 (Solaris 2.5.1) tape is a patch segment and must be installed after the Solaris 2.5.1 Operating System, the DII COE Kernel, and the DII COE 3.0.0.3P1 Kernel Patch 1 have been installed. Reference the *DII COE Kernel Installation Guide (Solaris 2.5.1)* for instructions on installing the Solaris 2.5.1 Operating System and the DII COE Kernel. Reference the *DII COE Version Description Document for the Kernel Patch 1 (Solaris 2.5.1)* for information on installing the DII COE Kernel Patch 1.

System Administration Function

The System Administration function provides the capability to print ASCII text, select and configure printers, perform local queue management, manage print jobs, and close windows; reboot or shut down the system, mount file systems, and format hard drives; load or install segments; and change machine identification (ID), set system time, configure a workstation as either a client or a server, set routing configuration, configure mail on a workstation, and configure Network Information Service (NIS). The system administrator's account group sets the system administrator's environment to execute the functions listed above. Reference the *DII COE System Administrator's Guide (HP-UX and Solaris)* for more information about system administration functionality.

Runtime Tools

Runtime tools are used to support the segment installation process. The following runtime tools have been updated for the DII COE 3.0.0.3P2 Kernel Patch 2 (Solaris 2.5.1) delivery. Updated and enhanced capabilities associated with individual tools are listed in the *DII COE Version Description Document for the Kernel Patch 2 (Solaris 2.5.1)*.

- C **COEAskUser** Version 1.0.0.7—Displays a message to the user. The COEAskUser tool can be called from anywhere.
- C **COEFindSeg** Version 1.0.0.7—Returns information about a requested segment.
- C **COEInstaller** Version 1.0.0.10—Displays a list of segments that may be installed from tape, disk, or other electronic media. The COEInstaller tool can be run from the command line, as well as from the System Administration pull-down menu.

- C **COEInstError** Version 1.0.0.7—Displays an error to the user. The COEInstError tool can be run from the command line, but it is most often called from within a PreInstall, PostInstall, or DEINSTALL script.
- C **COEMsg** Version 1.0.0.7—Displays a message to the user from within a PreInstall, PostInstall, or DEINSTALL script.
- C **COEPrompt** Version 1.0.0.7—Displays a message to the user and expects the user to enter a response from within a PreInstall, PostInstall, or DEINSTALL script.
- C **COEPromptPasswd** Version 1.0.0.7—Displays a message to the user and waits for the user to enter a password. The COEPromptPasswd tool can be run from the command line, but it is most often called from within a PreInstall or PostInstall script.
- C **COEUpdateHome** Version 1.0.0.5—Updates the home environment within a script file to point to where a segment actually was installed.

Some of the tools can be run from the command line, and some can be run from other code using published Application Programmer Interfaces (APIs). The COEInstaller tool can also be run from the System Administration pull-down menu. Reference the *DII COE Programming Guide*, the *DII COE API Reference Guide*, and the *DII COE Integration and Runtime Specification* for more information about these tools and their functionality.

CDE Patches

Nine patches are added to the CDE when the DII COE Kernel Patch 2 (Solaris 2.5.1) is installed. Reference the *DII COE Version Description Document for the Kernel Patch 2 (Solaris 2.5.1)* to review the list of patches included on the Patch 2 tape.

1.2 Referenced Documents

The following documents are referenced in this installation guide:

- C *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.0.3 Kernel Installation Guide (Solaris 2.5.1)*, DII.3003.Sol251.IG-1, Inter-National Research Institute (INRI), April 7, 1997
- C *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.0.3P1 Version Description Document for the Kernel Patch 1 (Solaris 2.5.1)*, Inter-National Research Institute (INRI), March 4, 1997
- C *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.1 System Administrator's Guide (HP-UX 10.20 and Solaris 2.5.1)*, DII.31.HPSOL.AG-1, Inter-National Research Institute (INRI), April 14, 1997

- Ⓒ *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.0.3P2 Version Description Document for the Kernel Patch 2 (Solaris 2.5.1)*, DII.3003P2.Sol251.Kernel.VDD-2, Inter-National Research Institute (INRI), April 23, 1997
- Ⓒ *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.0.3 Programming Guide FINAL (HP-UX and Solaris)*, DII.3003.UNIX.Final.PG-1, Inter-National Research Institute (INRI), October 29, 1996
- Ⓒ *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.0.3 Application Programmer Interface (API) Reference Guide FINAL (HP-UX and Solaris)*, DII.3003.UNIX.Final.RG-1, Inter-National Research Institute (INRI), October 29, 1996
- Ⓒ *Defense Information Infrastructure (DII) Common Operating Environment (COE) Integration and Runtime Specification Version 2.0*, DII COE I&RTS:Rev 2.0, Inter-National Research Institute (INRI), October 23, 1995.

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2. Kernel Patch Installation

Follow the steps below to install the DII COE Version 3.0.0.3P2 Kernel Patch 2 (Solaris 2.5.1) segment. Reference the *DII COE System Administrator's Guide (HP-UX 10.20 and Solaris 2.5.1)* for more information about installing segments.

- STEP 1: Load the Kernel tape.** Load the DII COE Kernel tape into a tape drive.
- STEP 2: Log in as system administrator.** Type `sysadmin` at the Name prompt and press [RETURN].
- STEP 3: Enter the sysadmin password.** Type the `sysadmin` password at the Password prompt and press [RETURN]. The System Administration software appears.
- STEP 4: Select the segment Installer option.** Select the Segment Installer option from the Software pull-down menu. The Installer window appears (Figure 1).

NOTE: Ensure that you can see the whole window by clicking on the bottom right edge of the window and dragging the trackball or mouse outward to enlarge the window.

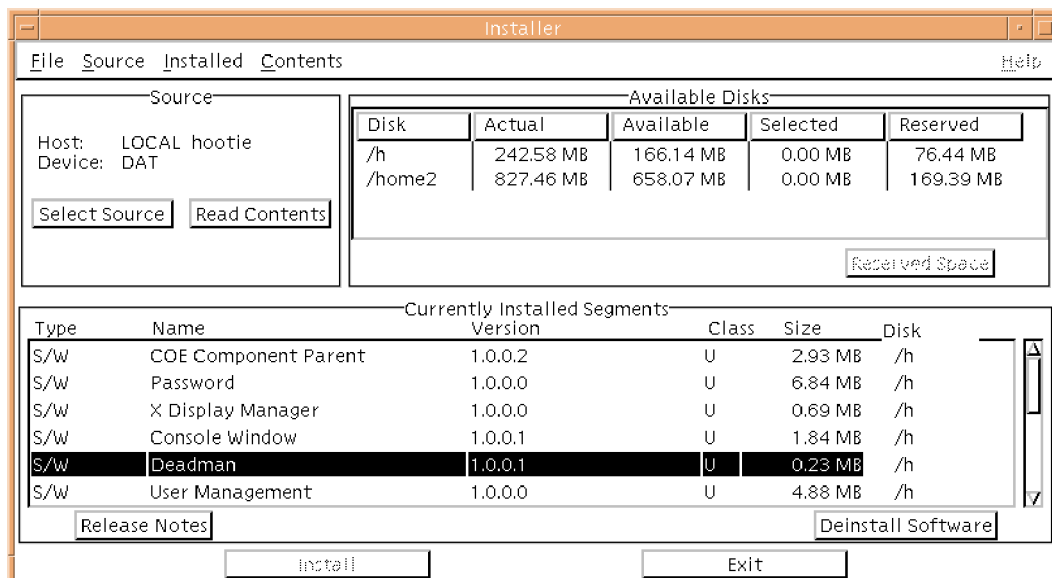


Figure 1. Installer Window

- STEP 5: Check the installation device.** The Source panel displays the name of the host machine and the name of the installation device. The device selection defaults to the DAT drive on the local machine. Click on the Select Source button in the Source panel to open the Select Source window (Figure 2) if you want to select the REMOTE option to install from a remote machine.

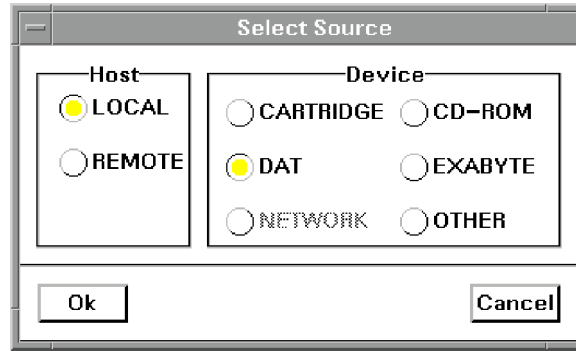


Figure 2. Select Source Window

STEP 6: Read the table of contents of the selected installation device. Click on the Read Contents button in the Source panel. The media is scanned, and the Installer window adds the Select Software To Install panel. This panel lists the Patch 2 to COE 3.0 segment, which is the Kernel patch to be installed. Figure 3 shows a sample Installer window with a Select Software To Install panel.

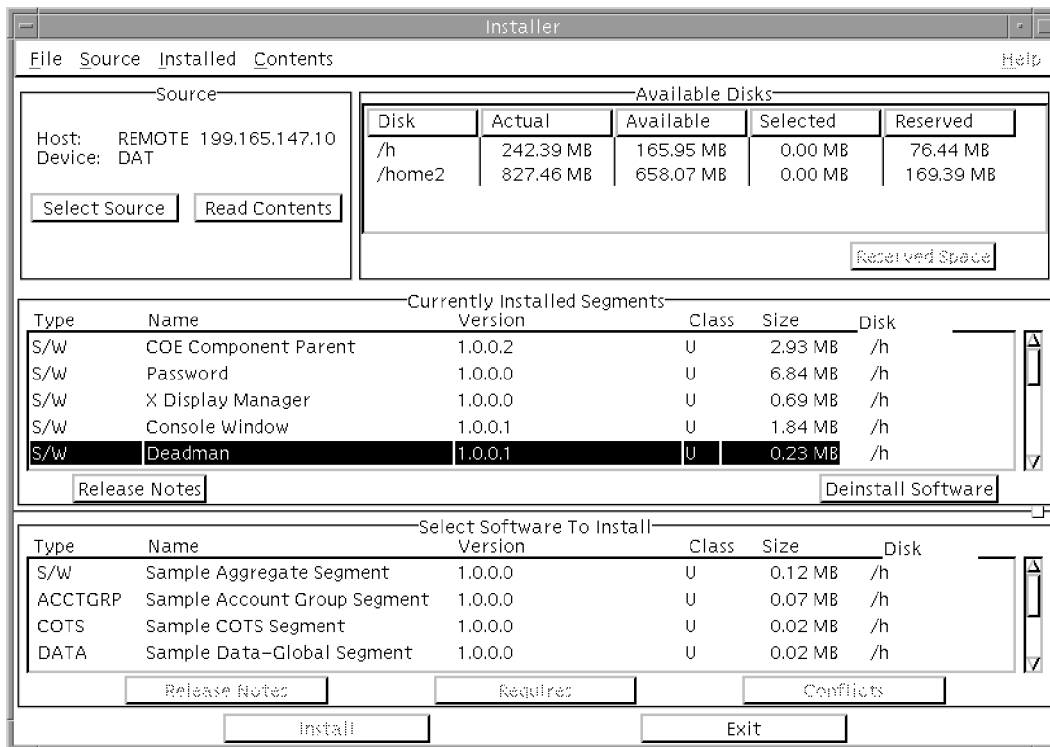


Figure 3. Installer Window with Select Software To Install Panel

- STEP 7: Select the segment that you want to install.** Click on the Patch 2 to COE 3.0 segment in the Select Software To Install panel to select it. The Available Disks panel then displays the mounted disk drives on the system and the remaining available disk space as the segment is selected.
- STEP 8: View release notes for the segment.** Click on the Release Notes button in the Select Software To Install panel to display release notes for the Patch 2 to COE 3.0 segment. The RELEASE NOTES window (Figure 4) appears.

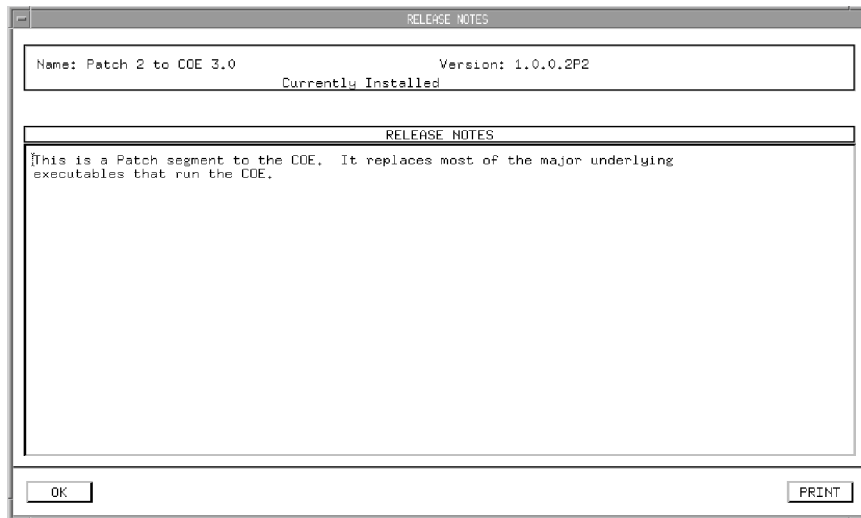


Figure 4. RELEASE NOTES Window

- STEP 9: View segments that need to be installed.** Click on the Requires button in the Select Segment To Install panel to list the segments that need to be installed before installing the Patch 2 to COE 3.0 segment. The REQUIRED SEGMENTS window appears (Figure 5).

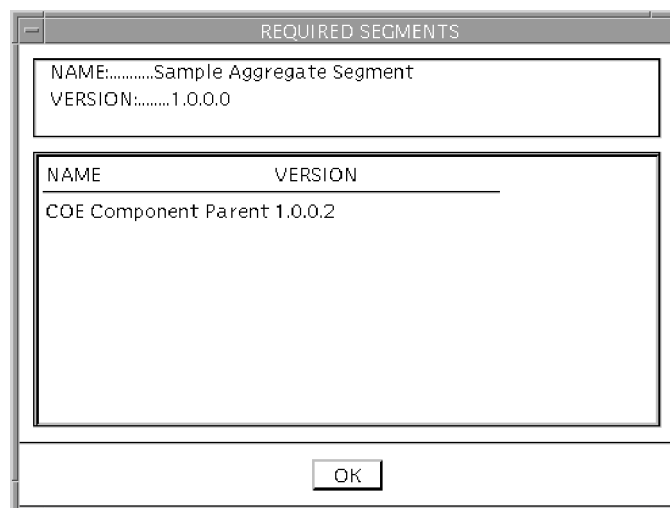


Figure 5. REQUIRED SEGMENTS Window

STEP 10: View segments that cannot be installed with the selected segment. Click on the Conflicts button in the Select Segment To Install panel to list segments that cannot be installed with the Patch 2 to COE 3.0 segment. The CONFLICTING SEGMENTS window appears (Figure 6).

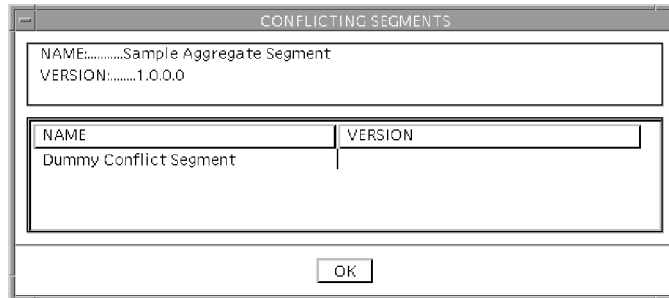


Figure 6. CONFLICTING SEGMENTS Window

STEP 11: Begin the installation process for the selected segment. Click on the Install button once the Patch 2 to COE 3.0 segment is selected. The Installer Status window appears, which shows the segment to be installed and the size of the segment. This window also shows a Percent Complete status bar, which shows the status of the installation.

STEP 12: Display a detailed log of the installation process. Select the Installation Log option from the Installed pull-down menu once installation has completed to display a detailed log of the installation process.

STEP 13: Exit the Installer window. Click on the Exit button to exit the Installer window once you have installed the Patch 2 to COE 3.0 segment.